## BIRCH, STEWART, KOLASCH & BIRCH, LLP

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Insert Title:

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

## COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

BIO-CHIP PREPARED BY GELATION ON A CHIP SUBSTRATE

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Fill in Appropriate	the specification of which forth above and/or the f The specification w	ollowing:	ed hereto, the application is identified by th	•				
For Use Without		ication Number _		:				
Specification	and amended on	<del></del>		(if applicable) and/or				
Attached:	the specification wa	13	as PCT					
	International Appli	01845						
	amended on		(if applicable)					
	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.  I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me α my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.  I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent							
	or inventor's certificate I a filing date before that of	isted below and have also identi of the application on which prior	fied below any foreign application for paten ity is claimed:	it or inventor's certificate having				
	Prior Foreign Applica			Priority Claimed				
Insert Priority	10-2002-0055635	Republic of Korea	September 13, 2002	ø o				
Information: (if appropriate)	(Number)	(Country)	(Month/Day/Year Filed)	Yes No				
	(Number)	(Country)	(Month/Day/Year Filed)	Yes No				
	(Number)	(Country)	(Month/Day/Year Filed)	☐ ☐ Yes No				
	(Number)	(Country)	(Month/Day/Year Filed)	Yes No				
	I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.							
Insert Provisional Application(s): (if any)	(Application Number)		(Filing Date)					
	(Application Number)		(Filing Date)	(Filing Date)				
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:							
	Country Application Number		mber Date of Filing (Mor	Date of Filing (Month/Day/Year)				
Insert Requested Information: (if appropriate)								
	I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s), including for continuation-in-part application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.							
Insert Prior U.S. Application(s): (if any)	(Application Number)	(Filing Date)	(Status - patented,	pending, abandoned)				
Page 1 of 2 (Rev. 07/2003)	(Application Number)	(Filing Date)	(Status - patented,	pending, abandoned)				



I hereby appoint the practitioners at CUSTOMER NO. 02292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

## BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 02292

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

*				
or Sole Inventor:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
ull Name of First or Sole Inventor: spet Name of Inventor Inventor Instruction Spet Date This Document is Signed	So Youn KIM	Judii		2004.8.8
sert Residence	Residence (City, State & Country)		CITIZENSHII	,
nsert Citizenship →	Daejeon Korea KK		kr	
nsert Post Office Address →	MAILING ADDRESS (Complete Street Address i 5-306, LG Company residence, 381-42,	ncluding City, State & Country) Doryong -dong, Yuseong-gu	, 305-340 Da	nejeon Korea
ull Name of Second	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
Inventor, if any:	Kyun Young KIM	Kuhā~		2004.8.9
see above	Residence (City, State & Country)	7 7 2	CITIZENSHII	
	Seoul Korea		kr	
	MAILING ADDRESS (Complete Street Address 7-602, Rimgang Apt., Bangbe 3 dong,	including City, State & Country) Seocho-gu, Seoul 137-755 R	epublic of I	Korea
ull Name of Third	GIVEN NAME/FAMILY NAME	INVENTORSSIGNATURE		DATE*
Inventor, if any:	Jeong Min HA	tella.		2004.89
<i>"</i> ")	Residence (City, State & Country)		CITIZENSHI	P
	Gyungsangnamdo Korea		kr	
	MAILING ADDRESS (Complete Street Address 102-1705 Hanrim Apt., Namyang-dong,	including City, State & Country) Changwon City, Gyungsangna	mdo 641-091	Republic of Koreas
		·		
Full Name of Fourth	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
Full Name of Fourth Inventor, if any: see aboxe				DATE*
Full Name of Fourth Inventor, if any: see about	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	CITIZENSHI	DATE*
Pull Name of Fourth Inventor, if any: see absissed	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea	INVENTOR'S SIGNATURE		DATE*
Pull Name of Fourth Inventor, if any: see above	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)	INVENTOR'S SIGNATURE	CITIZENSHI kr	DATE*
Inventer, if any:	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Ga	including City, State & Country) angnam-gu, Seoul 135-993 Rep	CITIZENSHI kr	DATE*  VOCT 8.9  rea
Inventor, if any: see above.	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong,	INVENTOR'S SIGNATURE	CITIZENSHI kr	DATE*  P  rea  DATE*
Inventer, if any: see above.	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Ga  GIVEN NAME/FAMILY NAME  Jae Young JANG	including City, State & Country) angnam-gu, Seoul 135-993 Rep	CITIZENSHI kr public of Ko	DATE*  P  rea  DATE*  2004. 8. 9
Inventor, if any: see above.	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Ga  GIVEN NAME/FAMILY NAME  Jae Young JANG  Residence (City, State & Country)	including City, State & Country) angnam-gu, Seoul 135-993 Rep	CITIZENSHI kr	DATE*  P  rea  DATE*  2004. 8. 9
Inventor, if any: see above.	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Ga  GIVEN NAME/FAMILY NAME  Jae Young JANG  Residence (City, State & Country)  Daejeon Korea	including City, State & Country) angnam-gu, Seoul 135-993 Rep INVENTOR'S SIGNATURE	CITIZENSHI kr public of Ko	DATE*  P  rea  DATE*  2004. 8. 9
Inventor, if any: see above.	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Ga  GIVEN NAME/FAMILY NAME  Jae Young JANG  Residence (City, State & Country)	including City, State & Country) angnam-gu, Seoul 135-993 Rep INVENTOR'S SIGNATURE	CITIZENSHI kr public of Ko CITIZENSHI kr	DATE*  P  rea  DATE*  2004. 8. 9
Full Name of Sixth	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong,	including City, State & Country) angnam-gu, Seoul 135-993 Rep INVENTOR'S SIGNATURE	CITIZENSHI kr public of Ko CITIZENSHI kr	DATE*  P  rea  DATE*  2004. 8. 9
Full Name of Sixth	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Ga  GIVEN NAME/FAMILY NAME  Jae Young JANG  Residence (City, State & Country)  Daejeon Korea  MAILING ADDRESS (Complete Street Address 163-9, Yongjeon-dong, Dong-gu, Daeje	including City, State & Country) angnam-gu, Seoul 135-993 Rep INVENTOR'S SIGNATURE including City, State & Country) eon 300-825 Republic of Kor	CITIZENSHI kr	DATE*  DATE*  2004. 8. 9  DATE*  DATE*  DATE*
Full Name of Fifth Inventor, if any: see above Full Name of Sixth	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, State & Country)  Daejeon Korea  MAILING ADDRESS (Complete Street Address 163-9, Yongjeon-dong, Dong-gu, Daejeon GIVEN NAME/FAMILY NAME	including City, State & Country) angnam-gu, Seoul 135-993 Rep INVENTOR'S SIGNATURE including City, State & Country) eon 300-825 Republic of Kor	CITIZENSHI kr  CITIZENSHI kr  CITIZENSHI	DATE*  DATE*  2004. 8. 9  DATE*  DATE*  DATE*
Full Name of Sixth	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Ga  GIVEN NAME/FAMILY NAME  Jae Young JANG  Residence (City, State & Country)  Daejeon Korea  MAILING ADDRESS (Complete Street Address 163-9, Yongjeon-dong, Dong-gu, Daeje  GIVEN NAME/FAMILY NAME  Young Duk KIM  Residence (City, State & Country)  Daejeon Korea	including City, State & Country) angnam-gu, Seoul 135-993 Rep INVENTOR'S SIGNATURE including City, State & Country) eon 300-825 Republic of Ko	CITIZENSHI kr	DATE*  DATE*  2004. 8. 9  DATE*  DATE*  DATE*
Full Name of Sixth	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, Gaepo-dong, State & Country)  Daejeon Korea  MAILING ADDRESS (Complete Street Address 163-9, Yongjeon-dong, Dong-gu, Daejo-GIVEN NAME/FAMILY NAME  Young Duk KIM  Residence (City, State & Country)  Daejeon Korea  MAILING ADDRESS (Complete Street Address Country)	including City, State & Country) angnam-gu, Seoul 135-993 Rep  INVENTOR'S SIGNATURE  including City, State & Country) eon 300-825 Republic of Kor	CITIZENSHI kr  CITIZENSHI kr  rea  CITIZENSH	DATE*  DATE*  2004. 8. 9  DATE*  2004. 8. 9
Inventor, if any: see above  Full Name of Fifth Inventor, if any: see above  Full Name of Sixth	GIVEN NAME/FAMILY NAME  Hye Sang PARK  Residence (City, State & Country)  Seoul Korea  MAILING ADDRESS (Complete Street Address 704-1509 Jugong Apt., Gaepo-dong, Ga  GIVEN NAME/FAMILY NAME  Jae Young JANG  Residence (City, State & Country)  Daejeon Korea  MAILING ADDRESS (Complete Street Address 163-9, Yongjeon-dong, Dong-gu, Daeje  GIVEN NAME/FAMILY NAME  Young Duk KIM  Residence (City, State & Country)  Daejeon Korea	including City, State & Country) angnam-gu, Seoul 135-993 Rep  INVENTOR'S SIGNATURE  including City, State & Country) eon 300-825 Republic of Kor	CITIZENSHI kr  CITIZENSHI kr  rea  CITIZENSH	DATE*  DATE*  2004. 8. 9  DATE*  2004. 8. 9

Page 2 of 2 (Rev. 07/2003)

\*DATE OF SIGNATURE

Full Name of Seventh	CIVEN NAME / EAMII V NIANAE	INVENTOR'S SIGNATURE		DATE*			
Full Name of Seventh Inventor, if any: see above	GIVEN NAME/FAMILY NAME  Phil Seok KIM	phil ( I h		2004.8.9			
Q <sup>D</sup>	Residence (City, State & Country)	TINA HOLLIC	CITIZENSHIP				
-	Daeleon Korea Vo	•	Kr				
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	MAILING ADDRESS (Complete Street Address in		NOT 245 -	hlie of Vone			
	3, LG Company residence, Doryong-do	<u> </u>					
Full Name of Eight Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
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Full Name of Ninth Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
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	MAILING ADDRESS (Complete Street Address including City, State & Country)						
Full Name of Tenth	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
Inventor, if any: see above							
	Residence (City, State & Country)	<u> </u>	CITIZENSHIP				
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ļ	MAILING ADDRESS (Complete Street Address including City, State & Country)						
	MAILING ADDRESS (Complete Street Address including City, State & Country)						
Full Name of Eleventh Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
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	Residence (City, State & Country)		CITIZENSHIP				
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Full Name of Twelith Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	ļ	DATE*			
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Full Name of Thirteenth Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		AVIE			
see above			1				
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